

### **Amendment to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for compressing still images that are stored in electronic media comprising the step of:

- a. selecting the image to be compressed;
- b. selecting the desired degree of compression;
- c. constructing [non-separable] wavelet filters, based on the desired degree of compression and physical characteristics of [for] the image, for decomposition of the image by non-separable wavelet transformation[:], the compression accruing as a result of constructing the non-responsible wavelet filters based on required degree of compressors while claim process proceeds;
- d. transforming the image into an array of frequency coefficients of the pixels by executing one level of decomposition for each filter;
- e. sorting said frequency coefficients in descending order;
- f. quantizing the values of the frequency coefficients; and
- g. encoding the quantized values by run length and arithmetic coding methods; whereby the image is restored in the YCbCr format through the use of a pre-designated reconstruction formula; and transformed into the RGB palette after reconstruction is complete.

2. (New) A method for compressing still images that are stored in electronic media comprising the step of:

- a. selecting the image to be compressed;
- b. selecting the desired degree of compression;
- c. constructing filters, based on the desired degree of compression and physical characteristics of the image, for decomposition of the image by non-separable wavelet transformation; the compression occurs as a result of constructing the

non-separable wavelet filters based on degree of separation in line with the degree of compression which increases as the claim process proceeds;

- d. transforming the image into an array of frequency coefficients of the pixels by executing one level of decomposition for each of the three filters; and
- e. quantizing the values of the frequency coefficients; and
- f. encoding the quantized values by run length and arithmetic coding methods, whereby the image is restored in the YCbCr format through the use of a pre-designated reconstruction formula and transformed into the RGB palette after reconstruction is complete.